

# Shielded Twisted Pair Data Cable

This data transmission and control cable is designed for use in computer systems and electronic control equipment. It is suitable for limited flexible use, outdoor applications, and direct burial.



## Product Overview

### High-Performance Data Transmission

This shielded twisted pair data cable is engineered for reliable communication in demanding electronic environments. Featuring a reinforced PVC sheath and tinned copper braiding, it provides excellent protection against external EMI and is suitable for both outdoor and buried installations. The cable's low capacitance and flame-resistant construction ensure consistent signal integrity and safety.

## Electrical Characteristics

Rated Voltage	250 V
Test Voltage (Core/Core)	2000 V/min
Test Voltage (Core/Shield)	1000 V/min
Capacitance (Core/Core)	60 nF/km
Insulation Resistance (20°C)	e6@m

## Mechanical Properties

Min. Bending Radius (Fixed)	6D (D=cable diameter)
Min. Bending Radius (Movement)	15D (D=cable diameter)

## Environmental Ratings

Temperature Range (Fixed)	-40 to 80
Temperature Range (Movement)	-5 to 70

## Construction Details

### Jacket Specifications

- Material: PVC
- Color: Black (RAL 9005)
- Reinforced for outdoor/buried use

Conductor Construction	7 wires stranded bare copper (IEC 60228/VDE 0295)
Insulation Material	PE
Shielding	Tinned copper braiding

## Features

### Key Features

Flame Resistant (IEC60332-1) • EMI Shielded • Oil Resistant • Outdoor Rated • Low Capacitance